03500.012127



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
	:	Examiner: L. Nguyen
HIROTO OKAWARA)	
	:	Group Art Unit: 2612
Application No.: 08/877,728)	
	:	
Filed: June 18, 1997)	
	:	
For: IMAGE PICKUP APPARATUS)	September 22, 2003
		(Monday After Federal Closing)

MAIL STOP NON-FEE AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 RECEIVED

SEP 2 4 2003

Technology Center 2600

SUBMISSION OF CORRECTED FORMAL DRAWINGS

Applicant, having received an Official Action mailed June 18, 2003, in the above-identified patent Application No. 08/877,728, hereby submits five (5) sheets of formal drawings (Sheets 1 to 3, 12 and 13 of 32) that incorporate all necessary changes requested by the Examiner. Applicant requests that the accompanying sheet be substituted for the corresponding sheet in the official file.

Applicant believes that no fees should be incurred in connection with filing this paper. However, the Commissioner is authorized to charge any fees associated herewith to Deposit Account No. 06-1205.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

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REPLACEMENT SHEET



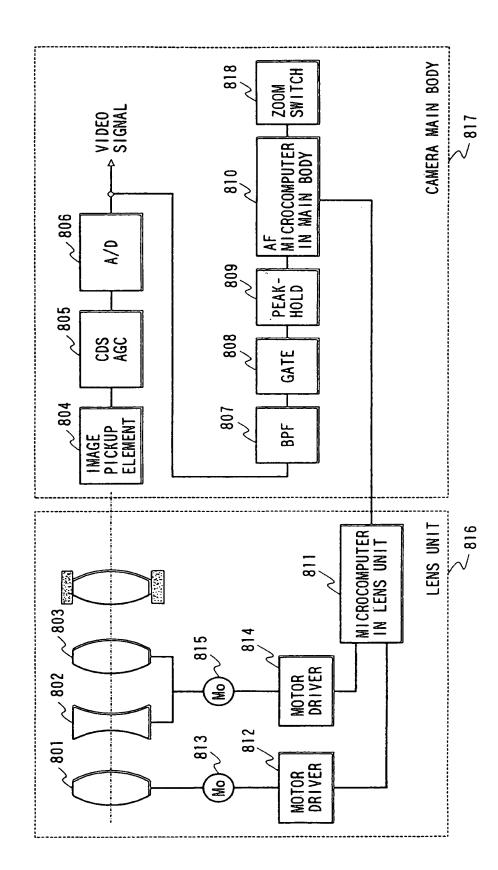
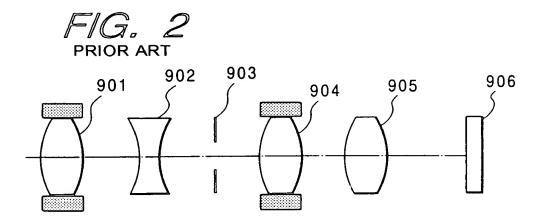


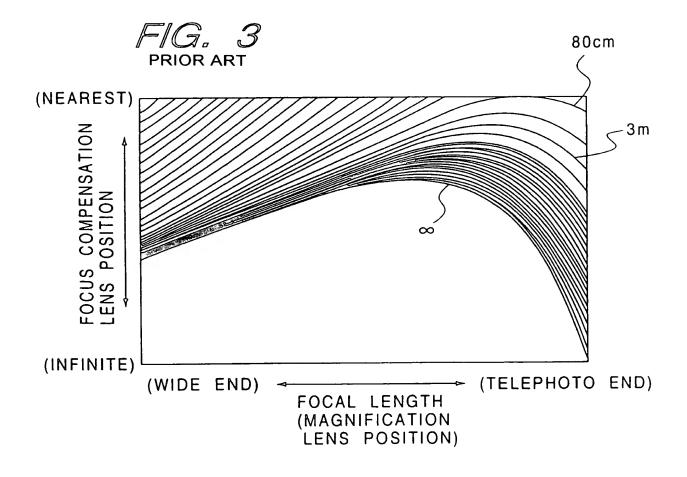
FIG. 1 PRIOR ART



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REPLACEMENT SHEET





REPLACEMENT SHEET



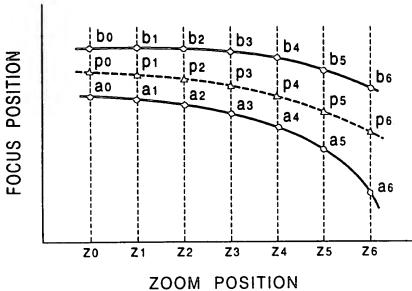
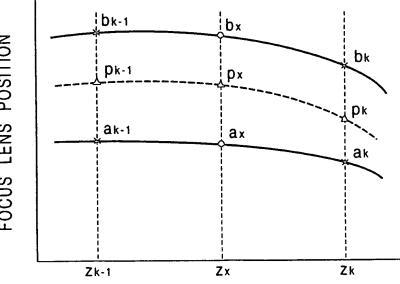


FIG. 5 PRIOR ART



FOCUS LENS POSITION

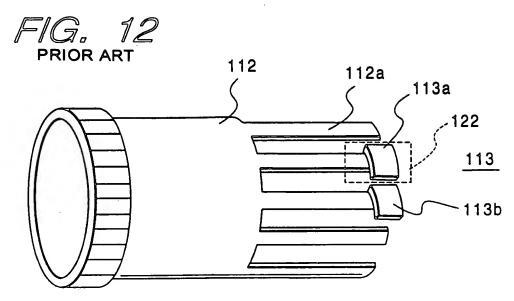
ZOOM LENS POSITION

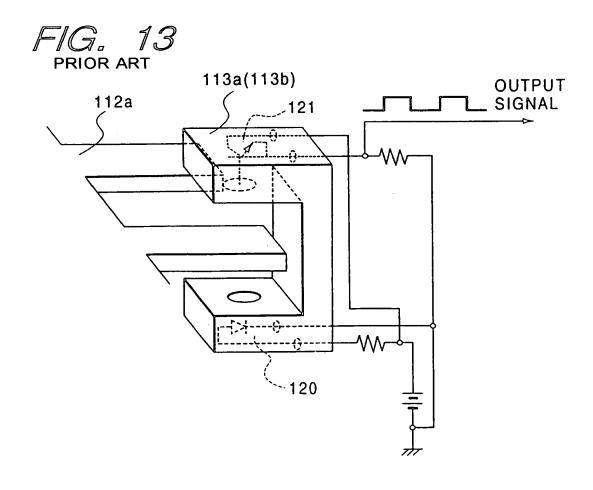
$$ax = ak - \frac{(zk - zk-1)(ak - ak-1)}{(zk - zk-1)}$$

$$bx = bk - \frac{(zk - zx) (bk - bk-1)}{(zk - zk-1)}$$



REPLACEMENT SHEET





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REPLACEMENT SHEET

